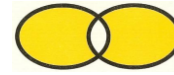


UNISOURCE-ENERGY, LLC  
Specialty Naphthenic Oil  
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNINAP® 2000 YNC

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 4052	0.922
Gravity, °API @ 60°F		22.0
Density (Lb/Gal) @ 60°F		7.68
Color, ASTM	D 1500	L 2.5
Viscosity, SSU @ 100°F	D 2161	2043
Viscosity, SSU @ 210°F	D 2161	
Viscosity, cSt @ 40°C	D 445	372
Viscosity, cSt @ 100°C	D 445	18
Viscosity Gravity Constant	D 2501	0.848
Aniline point, °F (°C)	D 611	208 (98)
Refractive Index @ 20°C	D 1747	1.507
Flash Point, COCC, °F (°C)	D 92	507 (264)
Pour Point, °F (°C)	D 97	0 (-18)
Chemical Composition, Vol. %		
Carbon Type Composition	D 2140	
C <sub>A</sub>		12
C <sub>N</sub>		33
C <sub>P</sub>		55
DMSO Extracables, %	IP 346	2.0
Sulfur, Wt.%	D 2622	0.12

Chemical Abstract #  
Meets FDA Requirement #

Nov-15

*The values shown here are representative of current production.  
Some are controlled by manufacturing specifications, while others are not.  
All may vary within modest ranges.*